

FAYETTE COUNTY PRISON

Fayette County Commissioners

ADDENDUM No. 4

Issue Date: March 18, 2021

TO ALL BIDDERS:

This addendum is issued to clarify, amend, or supersede the drawings and specifications as applicable and shall become a part of the Contract Documents for the subject project as if fully incorporated and bound therein.

GENERAL:

1. The **BID DUE DATE** has been **EXTENDED** to **Thursday, April 8, 2021**. The time remains 3:00PM. Shortly after bids are received, the Bid Opening will start. Please use the below Zoom information to access the Bid Opening which is also on the Fayette County Website www.fayettecountypa.org:

Join Zoom Meeting

<https://zoom.us/j/98685142196>

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CHANGES TO SPECIFICATIONS:

01 0100 Table of Contents

1. DIVISION 08 – OPENINGS – Sections 08 0671 and 08 7100 – DELETE the text “(not included)” that follow each section title.
2. Page 7, Division 32 - ADD Section 32 9300 – “Plants” to the Table of Contents.

01 2300 Alternates

1. Article 3.1 – REVISE paragraph 3.1.A to read as follows:

“A. GC-1 Provide extended Mezzanine stair landing in all Housing Units as indicated on drawing SD-A401.

031000 Concrete Forming and Accessories

1. Article 3.01 – REVISE paragraph 3.01.A to read as follows:
 - A. Do not use earth cuts as forms for vertical surfaces. Natural rock formations that maintain a stable vertical edge may be used as side forms.

03 3000 Cast-in-Place Concrete

1. Article 2.02.A – ADD subparagraph 2.02.A.2 to read as follows:

“2. Uniformly disperse in concrete mixture at manufacturer’s recommended rate but not less than 1.5 lb/cu yd.
2. Paragraph 3.07.B – REVISE the first line to read “Form Finishes”
3. Paragraph 3.07.B – ADD subparagraph 3.07.B.1 to read as follows:

“1. Unexposed Form Finish: Rub down or chip off and smooth fins or other raised areas 1/4 inch or more in height.”
4. Paragraph 3.07.B – ADD subparagraph 3.07.B.2 to read as follows:

“1. Exposed Form Finish: Rub down or chip off and smooth fins or other raised areas 1/4 inch or more in height. Provide Smooth Rubbed Finish: Wet concrete and rub with carborundum brick or other abrasive, not more than 24 hours after form removal.”

5. Paragraph 2.03.K – DELETE paragraph 2.03.K in its entirety.

09 3000 Tiling

1. Paragraph 2.03.B.1 – REVISE subparagraph 2.03.B.1 to read as follows:

“1. Applications: All floors and walls.”
2. Paragraph 2.03.B.2 – REVISE subparagraph 2.03.B.2 to read as follows:

“2. Basis of Design: Bostik PM. Other acceptable products are as follows:”

3. Paragraph 2.04.B.4 – REPLACE paragraph 2.04.B.4 with text to read as follows:

“B. Products: Bostik Inc. (Basis of Design): www.bostik-us.com/#sle.
Other acceptable products are as follows:”

- . Paragraph 2.04.C – REPLACE paragraph 2.04.C with text to read as follows:

“C. High Performance Polymer Modified Grout: ANSI A118.7 polymer modified cement grout.
1. Applications: All Walls.
2. Use sanded grout for joints 1/8 inch wide and larger; use unsanded grout for joints less than 1/8 inch wide. Color(s): As selected by Architect from manufacturer's full line.
3. Products: Bostik; TruColor® RapidCure™ with HXD™ Polymer Technology. Other acceptable products are as follows:”

4. ADD Paragraph 2.04.D to read as follows:

“D. Epoxy Grout: ANSI A118.3 chemical resistant and water-cleanable epoxy grout.
1. Applications: All Floors
2. Color(s): As selected by Architect from manufacturer's full line.
3. Products:
a. Bostik, Inc. ; EzPoxy EzClean.
b. Substitutions: See Section 01 6000 - Product Requirements.”

09 0561

Common Work Results for Flooring Preparation

1. Paragraph 1.03.A – DELETE paragraph 1.03.A in its entirety
2. Paragraph 1.03.B – DELETE paragraph 1.03.B in its entirety
3. Paragraph 2.01.C.2 – REVISE paragraph 2.01.C.2 to read as follows:

“2. Quantity: Provide coating material to cover all concrete slabs on grade that will receive adhered floor finishes or resinous flooring. Only install coating were required as specified in Part 3 article CONCRETE SLAB PREPARATION.”

4. Paragraph 2.01.C – ADD paragraph 2.01.C.3 to read as follows:
 3. Products:
 - a. ARDEX Engineered Cements; ARDEX MC RAPID:
www.ardexamericas.com/#sle.
 - b. Custom Building Products; TechMVC Moisture Vapor and Alkalinity Barrier: www.custombuildingproducts.com/#sle.
 - c. LATICRETE International, Inc; LATICRETE NXT Vapor Reduction Coating: www.laticrete.com/#sle.”
 - d. Substitutions: See Section 01 6000-Product Requirements.”

12 5500 Detention Furniture

1. Paragraph 2.04.J – DELETE paragraph 2.04.J in its entirety.

22 4600 Security Plumbing Fixtures

1. Paragraph 2.01.A – REVISE paragraph 2.01.A to read as follows:

“A. Security Combination Units, P-1 (All items 1-5 shall be furnished by Precast Concrete Cell Manufacturer (PCCM). Following items shall be installed by PCCM: In 2.01.A.5.a: 1), 2), 4), 5), 13), 14) and 15). Balance of items will be turned over to the Plumbing Contractor (PC) for installation by the PC.”
2. Subparagraph 2.01.A.5.a.16 – DELETE subparagraph 2.01.A.5.a.16 in its entirety.
3. Paragraph 2.01.A.6 – REVISE paragraph 2.01.A. 6 to read as follows:

“6. Additional items to be furnished and installed by Plumbing Contractor:”
4. Subparagraph 2.01.A.6.a – ADD subparagraph 2.01.A.6.a.4 to read as follows:

“4) Starter Fittings as required: Fully baffled drainage fitting as manufactured by Tyler or Charlotte Pipe and Foundry.”
5. Paragraph 2.02.A – REVISE paragraph 2.-02.A to read as follows:

“A. Security Water Closets, P-2, HC (All items 1-3 shall be furnished by Precast Concrete Cell Manufacturer (PCCM). Following items shall be installed by the PCCM: In 2.02.A.3.a: 1), 2), 3), 4), 5), 6), 7), and 8). Balance of items will be turned over to the Plumbing Contractor (PC) for installation by the PC.”

6. Paragraph 2.03.A – REVISE paragraph 2.03.A to read as follows:

“A. Security Lavatories, P-3, HC (All items will be furnished by Precast Concrete Cell Manufacturer (PCCM). Following items shall be installed by PCCM in 2.03.A: 2, 3.a.1, 3.a.3, 3.a.4, and 5. Balance of items will be turned over to the Plumbing Contractor (PC) for installation by the PC.”

7. Paragraph 3.10.A – ADD the sentence at the end of paragraph 3.10.A to read as follows:

“Precast Concrete Cell Manufacturer will install all items located inside the cell.”

23 0913 INSTRUMENTATION AND CONTROL FOR HVAC EQUIPMENT

- 1, DELETE Section 23 0913 in its entirety and REPLACE with Section 23 0913 attached to this Addendum No. 4.

26 2726 WIRING DEVICES

1. Paragraph 2.05.D.1 shall be REVISED to read as follows:

“1, Faceplate shall be one-piece heavy gauge prime grade material (14ga, stainless steel, brushed).”

26 0533.13 CONDUIT FOR ELECTRICAL SYSTEM

1. Paragraph 2.01.J.1.a – REVISE subparagraph 2.01.j.1.a to read as follows:

“a. Where exposed below 12 feet, except within electrical, communications and utility chases.”

2. Paragraph 2.01.J.1 – ADD subparagraph Paragraph 2.01.J.1.b to read as follows:

“b. Indoor/Outdoor recreation areas.”

3. Paragraph 3.02.E.4 – ADD subparagraph Paragraph 3.02.E.4.c to read as follows:

“c. Communication rooms.”

4. Paragraph 3.02.E.4 – ADD subparagraph Paragraph 3.02.E.4.d to read as follows:

“d. Utility chases.”

28 3116 FIRE ALARM SYSTEM

1. Paragraph 1.07.H.1 – DELETE paragraph 1.07.H.1 in its entirety.

28 0500 COMMON WORK RESULTS FOR SECURITY SYSTEMS

1. Paragraph 1.03.A.3 – REPLACE the text “General Contractor” with “Electrical Contractor”
2. Paragraph 1.04.D.10 - DELETE paragraph 1.04.D.10 in its entirety and replace with the following text:

“10. Wire and integrate all electric door locks and Door Position switches provided by Door Hardware Supplier that are integral to the security doors. Provide all power supplies, relays and interfaces to the computer control system.”

3. Paragraph 1.05.A – REPLACE the text “General Contractor” with “Electrical Contractor”

281300 SECURITY ACCESS CONTROL

1. Paragraph 2.14.A – DELETE this paragraph and replace with the following text:

“A. As outlined in the Door Hardware Schedule in the Architectural Specifications, the door hardware supplier shall provide and install electric strikes and electrified panic devices to be wired by the security Contractor. Provide all door power supplies required.”

284000 CONTROL SYSTEMS FOR SECURITY

1. Paragraph 1.02.K – ADD the following text to read as follows:

“Provide notification of alarms by fire alarm zone.”

2. Paragraph 2.14.C – ADD the following text to read as follows:

“Provide black and white laser printer for the printing of alarm reports as manufactured by Lexmark, Xerox, or HP.”

28 5000 INTERCOM AND PAGING SYSTEM

1. DELETE Section 28 5000 in its entirety and REPLACE with Section 28 5000 attached to this Addendum No. 4. (Revised text is highlighted. Deleted text is shown with strikethrough. Added text is shown bold.)

32 9300 PLANTS

1. ADD Section 32 9300 – Plants in its entirety as attached to this Addendum No. 4.

33 3216.13 PACKAGED UTILITY WASTEWATER PUMPING STATIONS

1. Paragraph 2.2.A.1 – DELETE the third and fourth sentences.
2. Paragraph 2.2.B.1 – DELETE the text in its entirety that reads:

“Primary design point: 100 GPM @ 25’ TDH with a minimum efficiency of 27%.

Secondary design point: 195 GPM @ 45’ TDH with a minimum efficiency of 32%”

SPECIFICATIONS INCLUDED / REISSUED IN THIS ADDENDUM:

23 0913	INSTRUMENTATION AND CONTROL FOR HVAC EQUIPMENT
28 5000	INTERCOM AND PAGING SYSTEM
32 9300	PLANTS

CHANGES TO DRAWINGS:

DRAWINGS	PARTIAL PLANS
A111B, A112B,	
A113B, AND	
A114B	

1. SPECIFIC CONSTRUCTION ITEM legend, Item No. 39 – DELETE the text “...W/COVER...”

DRAWING A421 TYPICAL CELL PLANS, ELEVATIONS AND DETAILS

1. CHANGE Precast Keynote 9 to read as follows:

“HVAC SECURITY GRILLES. (COORDINATION IS REQUIRED WITH HVAC CONTRACTOR). FURNISH AND INSTALL SECURITY GRILLES IN CHASE WALL WITH COLLAR. COORDINATE EXACT LOCATION AND SIZE WITH HVAC CONTRACTOR. TERMINATION IN CHASE FOR CONNECTION AND CONTINUATION BY HVAC CONTRACTOR.”
2. ADD Keynote 9 to rooms “TRIAGE” and “INTERVIEW” in Detail 5.
3. ADD Keynote 9 to room “JANITOR” in Detail 3.

DRAWING A601 DOOR SCHEDULE, NOTES AND DETAILS

1. Door Schedule, Door Number AR310A– CHANGE the frame type to “S1”
2. Door Schedule, Door Number AR310B – CHANGE the frame type to “S1”

DRAWING A711 INTERIOR ELEVATIONS AND DETAILS

- 1, Elevation 4 – Appliances indicated shall be marked Not in Contract, “(NIC)”
2. Elevation 5 – Appliances indicated shall be marked Not in Contract, “(NIC)”

DRAWING A721 DETENTION FURNISHINGS & EQUIPMENT ITEMS

1. Detail 8 – Camera / Horn Guard =- DELETE Detail 8.

DRAWING C109 LANDSCAPING PLAN

1. DELETE Drawing C109 in its entirety and INSERT Drawing C109 R1, Supplemental Drawing SD-C401 attached to this Addendum No. 4. Changes are shown as Revision 1.

DRAWING M101A PARTIAL PLAN - LEVEL 01 - AREA 'A'

1. Keyed Note No. 1 – REVISE Key Note No. 1 to read as follows:
“1. AC UNIT FOR REFRIGERATOR/FREEZER BY FSEC.”
2. Keyed Note No. 2 – REVISE Key Note No. 2 to read as follows:
“2. READ: REFRIGERANT PIPING UP BY FSEC.”

DRAWING M103A PARTIAL PLAN - LEVEL 03 - AREA 'A'

1. Keyed Note No. 1 – REVISE Key Note No. 1 to read as follows:
“1. CONDENSING UNIT FOR REFRIGERATOR/FREEZER AND EQUIPMENT RAILS BY FSEC.”
2. Keyed Note No. 2 – REVISE Key Note No. 2 to read as follows:
“2. REFRIGERANT PIPING UP TO CONDENSER ON ROOF BY FSEC.”

DRAWING M105 ROOF PLAN

1. Keyed Note No. 1 – REVISE Key Note No. 1 to read as follows:
“1. CONDENSING UNIT FOR REFRIGERATOR/FREEZER AND EQUIPMENT RAILS BY FSEC.”
2. Keyed Note No. 2 – REVISE Key Note No. 2 to read as follows:
“2. REFRIGERANT PIPING DOWN BY FSEC.”
3. Keyed Note No. 7 – ADD text at the end of Key Note No. 7 to read as follows:
“...NOT APPLICABLE TO CU-1B AND CU-2B.”

DRAWING M301 DETAILS

1. REPLACE Detail 19 – Security Crawl Guard Detail with detail shown on SD-M401 attached to this Addendum No. 4.

DRAWING P101A UNDERSLAB - SECTION A - PLUMBING

1. DELETE Drawing P101A in its entirety and INSERT Drawing P101A R1, Supplemental Drawing SD-P401 attached to this Addendum No. 4. Changes are shown as Revision 1.

DRAWING P101B UNDERSLAB - SECTION B – PLUMBING

1. DELETE Drawing P101B in its entirety and INSERT Drawing P101B R1, Supplemental Drawing SD-P402 attached to this Addendum No. 4. Changes are shown as Revision 1.

DRAWING P117A PARTIAL PLAN - LEVEL 03 - SECTION A - WATER & GAS

1. DELETE Drawing P117A in its entirety and INSERT Drawing P117A R1, Supplemental Drawing SD-P403 attached to this Addendum No. 4. Changes are shown as Revision 1.

DRAWING P117B PARTIAL PLAN - LEVEL 03 - SECTION B - WATER & GAS

1. DELETE Drawing P117B in its entirety and INSERT Drawing P117B R1, Supplemental Drawing SD-P404 attached to this Addendum No. 4. Changes are shown as Revision 1.

DRAWING P601 WATER & NATURAL GAS RISER

1. DELETE Drawing P601 in its entirety and INSERT Drawing P601 R1, Supplemental Drawing SD-P405 attached to this Addendum No. 4. Changes are shown as Revision 1.

DRAWING P602 WATER RISERS

1. DELETE Drawing P602 in its entirety and INSERT Drawing P602 R1, Supplemental Drawing SD-P406 attached to this Addendum No. 4. Changes are shown as Revision 1.

DRAWING M603 WATER RISERS CONTINUED

1. DELETE Drawing P603 in its entirety and INSERT Drawing P603 R1, Supplemental Drawing SD-P407 attached to this Addendum No. 4. Changes are shown as Revision 1.

DRAWING E001 ELECTRICAL SYMBOLS, ABBREVIATIONS & GENERAL NOTES

1. Add the following SCOPE OF WORK FOR PRECAST MODULES NOTES
 - "1. The cell/triage/janitor/interview light fixtures and receptacles in each precast cell shall be provided by the Precast Manufacturer. The rough-ins and wiring for the light fixtures and receptacles shall be provided by the Precast Manufacturer back to the utility chase. The Contractor shall connect to the Precast Manufacturer-provided rough-ins in the utility chase and provide all connections as indicated.
 2. The cell/triage/janitor/interview telephone/data, fire alarm, video surveillance and security device rough-ins in each precast cell shall be provided by the Precast Manufacturer back to the utility chase. The Contractor shall connect to the Precast Manufacturer-provided rough-ins in the utility chase and provide all cabling, devices, connections, etc. as indicated.
 3. The precast balcony light fixtures, receptacles, television and data outlets, fire alarm, video surveillance and security devices shall be provided by the Contractor. The rough-ins and cabling for these items shall also be provided by the Contractor and wired in accordance with Detail #1 on drawing E503.
 4. The light fixtures in Shower 123 and 124 shall be provided by the Contractor. The rough-ins for these light fixtures shall be provided by the Precast Manufacturer back to the utility chase. The Contractor shall connect to the Precast Manufacturer-provided rough-ins in the utility chase and provide all wiring to the light fixtures.
 5. Janitor 125 occupancy sensor switch rough-in shall be provided by the Precast Manufacturer back to the utility chase. The Contractor shall connect to the Precast Manufacturer-provided rough-in in the utility chase and provide all cabling, devices, security faceplate, connections, etc. as indicated."

DRAWING E111A PARTIAL FLOOR PLAN - LEVEL 01 - AREA A - LIGHTING

1. Keyed Notes This Drawing – ADD to Keyed Note No. 6 the text to read as follows:

"Refer to Detail #1 on drawing E503 for additional information."

2. Janitor 125 – ADD an "S" tag at the wall-mounted occupancy sensor switch.

DRAWING E111B PARTIAL FLOOR PLAN - LEVEL 01 - AREA B - LIGHTING

1. Keyed Notes This Drawing – ADD to Keyed Note No. 9 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

2. Janitor 125 – ADD an “S” tag at the wall-mounted occupancy sensor switch.

**DRAWING
E113A**

PARTIAL FLOOR PLAN - LEVEL 03 - AREA A - LIGHTING

1. Keyed Notes This Drawing – ADD to Keyed Note No. 7 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

2. Janitor 125 – ADD an “S” tag at the wall-mounted occupancy sensor switch.

**DRAWING
E113B**

PARTIAL FLOOR PLAN - LEVEL 03 - AREA B - LIGHTING

1. Keyed Notes This Drawing – ADD to Keyed Note No. 4 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

2. Janitor 125 – ADD an “S” tag at the wall-mounted occupancy sensor switch.

**DRAWING
E121A**

PARTIAL FLOOR PLAN - LEVEL 01 - AREA A - POWER & TELECOM

1. Keyed Notes This Drawing – ADD to Keyed Note No. 1 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

2. Janitor 125 – ADD an “S” tag at the receptacles and tele/data outlets shown.
3. Triage 106 – ADD an “S” tag at the receptacles and tele/data outlets shown.
4. Interview 105 – ADD an “S” tag at the receptacles and tele/data outlets shown.

**DRAWING
E121B**

PARTIAL FLOOR PLAN - LEVEL 01 - AREA B - POWER & TELECOM

1. Keyed Notes This Drawing – ADD to Keyed Note No. 1 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

2. Janitor 125 – ADD an “S” tag at the receptacles and tele/data outlets shown.
3. Triage 106 – ADD an “S” tag at the receptacles and tele/data outlets

shown.

4. Interview 105 – ADD an “S” tag at the receptacles and tele/data outlets shown.

**DRAWING
E123A**

PARTIAL FLOOR PLAN - LEVEL 03 - AREA A - POWER & TELECOM

1. Keyed Notes This Drawing – ADD to Keyed Note No. 5 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

2. Janitor 125 – ADD an “S” tag at the receptacles and tele/data outlets shown.
3. Triage 106 – ADD an “S” tag at the receptacles and tele/data outlets shown.
4. Interview 105 – ADD an “S” tag at the receptacles and tele/data outlets shown.

**DRAWING
E123B**

PARTIAL FLOOR PLAN - LEVEL 03 - AREA B - POWER & TELECOM

1. Keyed Notes This Drawing – ADD to Keyed Note No. 1 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

2. Janitor 125 – ADD an “S” tag at the receptacles and tele/data outlets shown.
3. Triage 106 – ADD an “S” tag at the receptacles and tele/data outlets shown.
4. Interview 105 – ADD an “S” tag at the receptacles and tele/data outlets shown.

**DRAWING
E131A**

PARTIAL FLOOR PLAN - LEVEL 01 - AREA A - SYSTEMS

1. REVISE Note #1 to read as follows:

“Provide all required wiring (both low-voltage and line-voltage), junction boxes, conduits, sleeves, and equipment for all security equipment as per the ‘ES’ series drawings and associated specifications.”

2. Keyed Notes This Drawing – ADD to Keyed Note No. 1 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

**DRAWING
E131B**

PARTIAL FLOOR PLAN - LEVEL 01 - AREA B - SYSTEMS

1. REVISE Note #1 to read as follows:

“Provide all required wiring (both low-voltage and line-voltage), junction boxes, conduits, sleeves, and equipment for all security equipment as per the ‘ES’ series drawings and associated specifications.”
2. Keyed Notes This Drawing – ADD to Keyed Note No. 2 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

**DRAWING
E132A**

PARTIAL FLOOR PLAN - LEVEL 02 - AREA A - SYSTEMS

1. REVISE Note #1 to read as follows:

“Provide all required wiring (both low-voltage and line-voltage), junction boxes, conduits, sleeves, and equipment for all security equipment as per the ‘ES’ series drawings and associated specifications.”

**DRAWING
E132B**

PARTIAL FLOOR PLAN - LEVEL 02 - AREA B - SYSTEMS

1. REVISE Note #1 to read as follows:

“Provide all required wiring (both low-voltage and line-voltage), junction boxes, conduits, sleeves, and equipment for all security equipment as per the ‘ES’ series drawings and associated specifications.”

**DRAWING
E133A**

PARTIAL FLOOR PLAN - LEVEL 03 - AREA A - SYSTEMS

1. REVISE Note #1 to read as follows:

“Provide all required wiring (both low-voltage and line-voltage), junction boxes, conduits, sleeves, and equipment for all security equipment as per the ‘ES’ series drawings and associated specifications.”
2. Keyed Notes This Drawing – ADD to Keyed Note No. 1 the text to read as follows:

“Refer to Detail #1 on drawing E503 for additional information.”

**DRAWING
E133B**

PARTIAL FLOOR PLAN - LEVEL 03 - AREA B - SYSTEMS

1. REVISE Note #1 to read as follows:

“Provide all required wiring (both low-voltage and line-voltage),
junction boxes, conduits, sleeves, and equipment for all security
equipment as per the ‘ES’ series drawings and associated
specifications.”
2. Keyed Notes This Drawing – ADD to Keyed Note No. 1 the text to read as
follows:

“Refer to Detail #1 on drawing E503 for additional information.”

**DRAWING
E134A**

PARTIAL FLOOR PLAN - LEVEL 04 - AREA A - SYSTEMS

1. REVISE Note #1 to read as follows:

“Provide all required wiring (both low-voltage and line-voltage),
junction boxes, conduits, sleeves, and equipment for all security
equipment as per the ‘ES’ series drawings and associated
specifications.”

**DRAWING
E134B**

PARTIAL FLOOR PLAN - LEVEL 04 - AREA B - SYSTEMS

1. REVISE Note #1 to read as follows:

“Provide all required wiring (both low-voltage and line-voltage),
junction boxes, conduits, sleeves, and equipment for all security
equipment as per the ‘ES’ series drawings and associated
specifications.”

DRAWING E503 ELECTRICAL DETAILS

1. REPLACE Detail #1 with detail as indicated on SD-E404 attached to this
Addendum No. 4.

DRAWING E507 ELECTRICAL DETAILS

1. For additional clarification on the interfacing of the HVAC equipment
with the fire alarm equipment, refer to supplemental drawings SD-E401,
SD-E402 and SD-E403 attached to this Addendum No. 4.

**DRAWING
ES001**

ELECTRONIC SECURITY SYMBOLS AND ABBREVIATIONS

1. Symbol Legend, description for Hardwired Duress Button, ADD the following text:

"WALL MOUNTED UNLESS OTHERWISE NOTED, REFER TO DETAIL 3/ES300"
2. General Note 8, ADD the following text:

"REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFRASTRUCTURE REQUIREMENTS. REFER TO DRAWING A-421 FOR INFRASTRUCTURE PROVIDED BY PRECAST CELL MANUFACTURER"

**DRAWING
ES300**

SECURITY INSTALLATION DETAILS

1. Detail 3, Wall Mounted Duress Button - ADD the following Note:

"REFER TO ES303 FOR WORKSTATION DURESS BUTTON DETAIL MOUNTING LOCATIONS."

**DRAWING
ES302**

EQUIPMENT ROOM ELEVATION DETAILS

1. Equipment Layout Legend, REVISE the text of Item 5 to read as follows:

"INTERCOM AND PAGING EQUIPMENT, TYPICAL"

DRAWINGS INCLUDED / REISSUED IN THIS ADDENDUM:

Civil:

SD-C401-C109 R1 LANDSCAPING PLAN

Architectural:

SD-A401 TYPICAL MEZZANINE STAIR

HVAC:

SD-M401

ELECTRICAL:

SD E401 SMOKE EXHAUST FAN – BAS & FIRE ALARM INTEGRATION DETAIL
SD E402 ROOF TOP UNIT – BAS & FIRE ALARM INTEGRATION DETAIL
SD E403 DAMPER – BAS & FIRE ALARM INTEGRATION DETAIL
SD E404 PRECAST CEILING DEVICE INSTALLATION DETAIL

SECURITY

SD-ES401 Edits to Drawing ES113A

SD-ES402 Edits to Drawing ES113B
SD-ES403 Edits to Drawing ES112B
SD-ES404 Edits to Drawing ES113B
SD-ES405 Edits to Drawing ES114B

PLUMBING:

SD P401 - P101A UNDERSLAB - SECTION A - PLUMBING
R1
SD P402 - P101B UNDERSLAB - SECTION B - PLUMBING
R1
SD P403 - P117A PARTIAL PLAN - LEVEL 03 - SECTION A - WATER & GAS
R1
SD P404 - P117B PARTIAL PLAN - LEVEL 03 - SECTION B - WATER & GAS
R1
SD P405 - P601 WATER & NATURAL GAS RISER
R1
SD P406 - P602 WATER RISERS
R1
SD P407 - P 603 WATER RISERS CONTINUED
R1

Other Attachments:

1. PADEP Clean Fill Sampling Report for the Former Army Reserve Training Center Site
2. Pre-Bid Agenda
3. Pre-Bid Sign In

QUESTIONS AND RESPONSES:

Question 1	Can you confirm that the Special Systems Contractor (SSC) scope of work is to be included in the GC contract?
Response 1	The SSC scope of work shall be provided in Contract No. 9 - Electrical Construction.
Question 2	Can you confirm the work shown on the ES drawings requires the EC to only provide the installation of empty conduit rough-in to above security ceiling, raceways, infrastructure and SSC provided special backboxes and junction boxes?
Response 2	Division 26, 27 and 28 work will be provided as part of the Contract No. 9 - Electrical Construction.
Question 3	Can you confirm that all wiring, equipment and field devices as shown on ES drawings and listed in specifications is provided and installed (turn-key) by the SSC?

Response 3	All work and material shown on the 'ES' drawings and associated specifications will be provided as part of the Electrical Contract. It is recommended for the Special Systems Contactor (subcontractor to the Electrical Contractor) to provide the security equipment. The responsibility of the rough-ins and wiring for the security equipment should be determined internally by the Electrical Contractor and his/her subcontractors. Contract No. 9 - Electrical Construction
Question 4	Can you confirm that video surveillance wiring can be installed above ceilings, conduit required only for exposed surfaced areas?
Response 4	All video surveillance connections throughout the facility shall be concealed above ceilings and in walls where possible. Only video surveillance connections in areas without ceilings and in areas where it is impractical to recess devices are permitted to be run exposed in conduit.
Question 5	Will the Security portion of the job bid to the General Contractor or the Electrical Contractor?
Response 5	Electrical Contractor as stated in documents. Contract No. 9 - Electrical Construction.
Question 6	Does a vendor have to bid the entire Section 28 package? Can a single portion of it be bid, i.e. cameras?
Response 6	Division 28 is part of the Electrical Contract. The subsystems that make up the Division 28 Security System shall meet the requirements detailed in the specifications. Div 28 equipment shall be provided by a SSC that meets the qualifications in specification Section 280500 1.05.
Question 7	The specifications calls for full operational functionality of the VMS system to be web based. If a substitution for Lensec is requested and received, can a thick client be used to meet some of the specifications?
Response 7	VMS shall be provided as per specifications. Substitutions will not be considered during the bidding phase.
Question 8	If a substitution for Lensec is approved, would an integration between the approved VMS vendor and Software House be desirable?
Response 8	The VMS must be able to integrate with the PLC system to provide proper operation of the Graphical User Interface for video call-up, door control, and other systems as specified in Division 28. Substitutions will not be considered during the bidding phase.
Question 9	Electrical dwg e403 shows a 25pr cat5e structured cable and 12 strands each of mm and sm fiber (plus innerduct) running between the mdf hub to each of the (5) idf electronic security rooms. Security dwg es200 references a 12 strand sm fiber for the security electronics back bone. Please clarify if division 28 is to furnish a separate 12 strand sm fiber back

	bone or should it rely on the composite backbone shown on dwg e403 for this purpose.
Response 9	E403 shows the telecom network backbone cabling and ES200 shows the security network backbone cabling.
Question 10	Spec section 284000.1.05.h.1 states that we are to interface with the plumbing controls. We have not seen any control valves in the plumbing drawings or power to them on the electrical drawings. Please provide further detail so that the extent of this interface and associated scope of work can be clearly determined prior to bid.
Response 10	The shower valves shown on the plumbing drawings are required to be interfaced with the security system. Drawings E121A, E121B, E123A, and E123B shows power connections to the valves (junction box symbol with tag 'svc').
Question 11	Spec section 280500.1.04.10 says "provide all door monitoring switches outlined on contract drawings." Then in 281300.2.11.a says "the door hardware supplier shall provide concealed, biased, door position sensors for all doors that require monitoring as shown on the contract drawings." Please clarify who is to supply these devices.
Response 11	See Addendum #4.
Question 12	Spec section 280520.1.02.d states in part "the contractor shall be responsible for the interfacing and integration of all devices and systems with the work under separate divisions, such as: fire alarm systems" how many zones or devices are we to annunciate on touch screen?
Response 12	Fire alarm zones will be determined by the addressable fire alarm system manufacturer as per specification 283116. The manufacturer will be responsible for the complete design of the fire alarm system.
Question 13	Spec section 281300.1.02.g states "provide interfacing to fire alarm system for automatic release/unlocking of selected doors in the path of egress upon fire alarm in non-detention areas." Will the fire alarm sub-contractor be supplying dry contact relays for this?
Response 13	See Addendum #4.
Question 14	Spec section 284000.2.09.a are you calling for individual lighting control for each cell?
Response 14	Refer to 'Lighting Control Detail No. 1' on drawing E503 for dayroom and cell lighting control. The intent is for all cell general lights in a cell pod to be controlled together and all cell night lights in a cell pod to be controlled together. No individual control is to be provided for each cell. Refer to specification Section 280530.

Question 15	Spec section 284000.2.09.a are you calling for individual plumbing control for each cell?
Response 15	No, refer to specification Section 280530.
Question 16	Spec section 284000.2.14.a what type of printer do you want laser or dot matrix?
Response 16	See Addendum #4.
Question 17	Spec section 285000.1.02.h please provide drawing for the location of the perimeter gate locations.
Response 17	Perimeter gate is manual operation.
Question 18	Spec section 285000.2.01.a.1 you are calling for a harding dxl system but almost the entire section describes the harding dxi version. Please clarify.
Response 18	See Addendum #4.
Question 19	Spec section 287000.2.03.b how many ip download station/readers do you want?
Response 19	See drawing ES200.
Question 20	Spec section 087100.2.13.h says "intelligent switching power supplies: provide power supplies with single, dual or multi-voltage configurations at 12 and/or 24vdc" however spec section 281300.2.14.say we are to provide all door power supplies. If so we need the hardware schedules section to see which doors require power supplies and price them out accordingly.
Response 20	See Addendum #4.
Question 21	Spec section 281300.2.14.a says "the door hardware supplier shall provide electric strikes and electrified panic devices to be installed and connected by the security contractor". In an effort to limit any warranty responsibility issues, we typically require that the door hardware supplier (or a subcontractor of their choosing) install all of their own devices. The door hardware contractor is also responsible for providing accurate connection detail (s) for the ssc's use on field and head end terminations. The door contractor is also responsible to provide onsite assistance during testing and commisioning of all commercial openings.
Response 21	See Addendum #4.
Question 22	Spec section 284000.1.02.c - what type of printer should be provided as part of this server bom for this specific section?
Response 22	See Addendum #4.
Question 23	Security dwg es302 equipment layout legend #5 shows intercom paging boards. Please note that these will not be provided if it is determined that the preferred version of harding's communication systems is the dxl.

Response 23	See Addendum #4.
Question 24	Security dwg e301 indicates that div 26 is supplying the equipment racks for the security head end in all (6) rooms including the spare cabinet shown in the mdf on security dwgs es301 & es302. Please confirm that our interpretation of these details is correct?
Response 24	The equipment racks are to be provided as shown on drawing E301. This drawing contains the enlarged plans of the MDF and IDFs.
Question 25	Security spec section 282313, multiple locations states that all cameras require a 256 gb micro sd/sdhc/sdxc cards except for the type three camera which shows 126 gb. Is this correct?
Response 25	Yes, this is correct.
Question 26	Security dwg es 302 sheet note #3 states to provide cable trays above racks. Please confirm that this is part of division 26 scope.
Response 26	Cable tray is to be provided as per drawings E141 and E142.
Question 27	Floorplan security drawings do not differentiate between furniture and or wall mounting for all duress switches. Please provide mounting detail and schedule.
Response 27	See Addendum #4.
Question 28	Security dwg es113a shows a duress light above door hd304 but there is no duress button in that room. The assumed function would be a zone lamp. Please clarify the design intent for this device and other locations (see ms306) similarly equipped.
Response 28	See Addendum #4.
Question 29	Security dwg es112b, outside rec yard appears to be missing a paging speaker. Please confirm if one is to be furnished at this location.
Response 29	See Addendum #4.
Question 30	Security dwg es114b, dayroom he302 appears to be missing paging speakers. Please confirm if any paging speakers are to be furnished at this location.
Response 30	See Addendum #4.
Question 31	Does this still require the EC to provide the work shown on Detail #1 Drawing E503, core drilling the ceiling and installing ½" PVC conduit between fixtures?
Response 31	See Addendum #4.
Question 32	On drawing A421 Note#14 states- Light fixture. Furnish and install cell light fixture as per specifications by cell manufacturer. Complete with lamps, junction box and conduits from fixture to the junction box at cell chase. Will the required wiring for controlled lighting and night light circuits be installed to the chase? Will the EC have to remove the fixture to complete this wiring if it is not installed at the factory?

Response 32	See Addendum #4.
Question 33	On drawing A421 detail H shows a note #22 in the precast cell elevation. Note #22 states- Tamper resistant receptacle. Furnished and installed by precast cell manufacturer per specifications. Complete work with faceplate, conduit and wiring from device to junction box at the cell chase. These receptacles are not shown on the electrical drawings. Are additional circuits, conduit and wiring required?
Response 33	See Addendum #4.
Question 34	On Drawing A421 Note #8 provides for the conduit and box rough-in for the call button to the cell chase. Will the EC need to provide conduit through-out the chase for GC's SSC sub-contractor or will they be using J-hooks in this area?
Response 34	See Addendum #4.
Question 35	The pre-cast cell drawings do not appear to show any rough-in for the cell door control of electrified lockset or the watch tour touch points. Will these need to be roughed-in by the EC for the GC's SSC sub-contractor (surface mount) on-site? If they are to be included in the pre-cast rough-in, to the chase area, does the EC need to provide empty conduit through-out the chase for the SSC or will they be installing J-hooks in this area for their wiring installation?
Response 35	See Addendum #4.
Question 36	P101A/101B NOT ALL UNDER GROUND SANITARY AND KITCHEN WASTE HAS SIZES SHOWN. ARE WE TO ASSUME ANY LINES NOT SIZED ARE TO 4" MINIMUM?
Response 36	See Addendum #4.
Question 37	PLEASE PROVIDE MISSING SIZING FOR THE DOMESTIC WATER RISER DETAILS.
Response 37	See Addendum #4.
Question 38	DRAWING P503 DETAIL 2 REFERS TO PRECAST CELL DRAWINGS, ARE THESE AVAILABLE?
Response 38	See drawings A421 and A422.
Question 39	PLEASE PROVIDE A DETAIL/SKETCH OF WHAT CONNECTIONS THE PLUMBING CONTRACTOR IS TO PROVIDE FOR THE PRE CAST CELLS. THIS IS TYPICALLY A SHORT PIECE OF PIPE AND 1 TO 2 COUPLINGS.
Response 39	See Addendum #4 - revised specification Section 22 4600 - Security Plumbing Fixtures
Question 40	P116A SHOWS 3 WATER LINES @ COLUMN 4 AND BELOW COLUMN K. WE BELIEVE THESE LINES ARE A CARRY OVER FROM P115B. PLEASE CLARIFY.
Response 40	Yes, this is a carry over.
Question 41	MULTIPLE DRAWINGS HAVE MISSING SIZES. PLEASE PROVIDE SIZING.

Response 41	See Addendum #4.
Question 42	<p>1) There are some conflicts with the schedule information provided.</p> <p>a. The milestone schedule does not line up with the bar chart schedule, we assume the milestone schedule shall precedence. Is this correct?</p> <p>b. We assume the bar chart schedule is not a contract document and a preliminary document to show flow and sequencing only. Is this correct?</p> <p>c. We assume that there will be a time post award to refine the schedule to actual necessary durations and time required. Is this correct?</p> <p>d. Mobilization for the general construction is listed as 3/22/2021. This date is prior to the award and the first action needed under the contract occurs on or about May 1, 2021. We assume the mobilization to the site to accommodate the first action is necessary and not the date listed. Is this correct?</p> <p>e. The submittals for the pre-cast cells is too short to be able to provide the proper documentation. The bar chart schedule has the submittal being done in less that 3 weeks. This process will take up to 8 weeks to complete. We assume the proper time for submittals will be edited and modified. Is this correct?</p> <p>f. It appears the first pre-cast cell erection is scheduled for 8/18/2021 that is 10 weeks from the necessary approval based on the 8 weeks details + 2 weeks shops. This again appears to be too short of time and we assume the schedule will be updated. Is this correct?</p>
Response 42	The Preliminary schedule is for information purposes only as indicated in Specification section 013200 - Construction Progress Documentation. Read specification section 013200 - the Substantial Completion date shall be met.
Question 43	In reference to specification section 015000 1.02 D 8, calling for the general trades contractor to assume the rental of the temporary fence provided under the demolition contract. Please provide the monthly rental of this element for inclusion in the cost or establish an allowance for this item.
Response 43	
Question 44	In reference to the multiple contract summary for the food service contract scope item 14. The size, locations and quantity of any necessary housekeeping pads must be provided for inclusion in the cost. There are none called for on the FS series plans. Absent detailed information being provided we will assume a quantity of 0 to be included. Is this correct?
Response 44	No housekeeping pads are required for the FS equipment.

Question 45	We assume appliances are not to be included in the bid. Is this correct? If not please provide a specification for appliances if they are to be included.
Response 45	See Addendum #4.
Question 46	In reference to the specification sections 080671 – Door Hardware Schedule and 087100 – Door Hardware. These sections are noted on the table of contents as “(NOT INCLUDED)” we assume the standard door hardware is not being furnished under Contract 04 and will be furnished by others for installation only under Contract 04. Is this correct?
Response 46	See Addendum #4.
Question 47	In reference to doors AR310A and AR310B. The floor plan shows these doors as swing doors. The door schedule calls the frame type to be a SS1 (sliding doors). We assume the frame type is to be S1 and the doors are to be swing type doors. Is this correct?
Response 47	See Addendum #4.
Question 48	In reference to the loading dock leveler spec section 111319 and the drawings, the pit size on the S drawing is 6'-2" W x 5'-3" L (this is a standard 6x6 leveler pit) and the specs call for 72" W x 75 ½" L. We assume the drawing size shall take precedence. Is this correct?
Response 48	Specification dimension references Deck size, Pit size as shown on drawings.
Question 49	We assume the foundation drain is by either the site contractor or the plumbing contractor and not to be included in the general construction costs. Is this correct?
Response 49	
Question 50	In reference to the concrete filled bollards shown on the drawings. a. This work is assumed to be included as part of the general construction contract. Is this correct? b. Per key-note 39 the bollards are noted to have covers, no specification for covers has been provided, the site plans C112 call out the bollards to be painted. We assume painting shall take precedence. Is this correct?
Response 50	b. See Addendum #4.
Question 51	In reference specification section 093000 Tiling 2.04 C stating epoxy grout is required “where indicated”. There are no locations indicating epoxy grout, we assume none is required. Is this correct? If not please provide locations that require epoxy grout.
Response 51	See Addendum #4.
Question 52	011200-24-121 Define refurbish. New flagpoles are relatively inexpensive
Response 52	See specification Section 10 7500.
Question 53	Who owns louver blank off panels

Response 53	No blank off panels required on project.
Question 54	Would it be possible to obtain the CAD Files to help assist us with the earthwork take-offs and retaining wall designs on the Sitework Package?
Response 54	No. CAD files will not be issued.
Question 55	Request a two week bid extension.
Response 55	See Addendum #3.
Question 56	Specification Section 03 3000 2.02 Fiber Reinforcement: Please provide the desired amount of fiber reinforcement in the concrete slabs by LBS/CY.
Response 56	See Addendum #4.
Question 57	Drawing C103 - Please clarify the final sub grade elevations that shall be left by the site work contractor for building pad West of CL 4 and building pad East of CL4.
Response 57	GC to coordinate with Site Contractor.
Question 58	Drawing S111A - Please clarify the final sub grade elevations that shall be left by the site work contractor for the following specific areas: a) CL 0 & 1 from CL B-K, Footing marking WF2820 b) CL 1.5 from CL B-T, Footing marking WF123R c) North CL A from CL8-11, Footing marking WF2820 d) CL 12.5 from CL H-K.5, Footing marking WF3222 e) CL 10-11 from CL L-T, Footing marking WF4028
Response 58	GC to coordinate with Site Contractor.
Question 59	Drawing S601 Typical Elevator Pit Detail, please confirm the elevator pit slab is 1'-0" thick. If not, please provide thickness.
Response 59	Thickness is as indicated on detail.
Question 60	Drawing S601, the elevator pit walls that run east to west have the same finished floor elevation as the low side, so are we to assume 3 sides have short walls and the west wall that runs north to south is the only taller wall as shown in the typical section.
Response 60	Coordinate height of wall with finished floor elevation.
Question 61	Specification 03 3000 - 2.03 - K shows Moisture Vapor Reduction Admixture. Please advise as to which locations are to receive the Moisture Vapor Reduction Admixture.
Response 61	See Addendum #4.
Question 62	All motors are showing to have a neutral. Typically, a motor does not require a neutral conductor. Please advise if a neutral is needed at motor locations.

Response 62	All wiring requirements for equipment by others shall be verified during the submittal phase. Refer to Electrical General Notes 'Motor Coordination', 'Connection Details', and 'Equipment Details' on drawing E001 for additional information.
Question 63	1. Detail 7/A422 shows a hand tooled joint in the 2" topping. I am unable to locate any requirements on the structural plans. a. Are contraction joints required in 2" topping? b. If so, what spacing? c. Are all joints required to be hand tooled? Or only at the cells?
Response 63	1. Detail 7/A422 indicates tooled joint in topping at joints between precast balcony modules. A. Other control joints are not required in 2" topping. B. Construction joints (end of pour) should be placed at plank joints and supports.
Question 64	Drawing S001 – Structural Notes identify the Basic Seismic-Force-Resisting System as Undetailed Structural System while the precast plenum units at the interstitial level lack the ability to resist lateral forces as they are currently shown. What is the intended lateral support for the precast at the interstitial level? Are additional walls perpendicular to the dayroom wall with block-outs to accommodate MEP items allowed to provide lateral resistance.
Response 64	The precast cells are intended to be a self-supporting structure with no lateral contribution provided by the remaining structure. Walls perpendicular to the dayroom are acceptable with final layout submitted for approval in precast submittal drawings.
Question 65	The pump model indicated on design drawing C114 (Sulzer-ABS XFP 100E PE56/4) is also called out in the specification. However, there are multiple operating conditions listed in the spec and the specified pump cannot meet all of those conditions(including 160' shutoff head). What are the actual required design conditions? We want to be sure we are supplying the correct pump to meet conditions
Response 65	See Addendum #4.
Question 66	Note 1 on FSE-4 indicates the piping between the blower coils and condensing units is by the FSEC. The AC units, condensing units, and piping are shown on the HVAC drawings. Please clarify which contractor is responsible for installation of the equipment, associated piping, and charging of the systems.
Response 66	See Addendum #4.
Question 67	Can a one-line diagram or better detail be issued showing the interconnection wiring between the FFCS and the HVAC equipment?
Response 67	See Addendum #4.

Question 68	All motors are showing to have a neutral. Typically, a motor does not require a neutral conductor. Please advise if a neutral is needed at motor locations.
Response 68	All wiring requirements for equipment by others shall be verified during the submittal phase. Refer to Electrical General Notes 'Motor Coordination', 'Connection Details', and 'Equipment Details' on drawing E001 for additional information.
Question 69	Should all Receptacles in the kitchen be GFCI protected?
Response 69	All 125-Volt, single-phase, 15- and 20-ampere receptacles installed in the kitchen shall have ground-fault circuit-interrupter protection for personnel. This is indicated on drawing E302.
Question 70	What is the Nema rating for the Kitchen equipment Disconnects?
Response 70	NEMA 3R
Question 71	Will conduit raceways for the security devices in the precast cells be installed by the Precast manufacturer?
Response 71	See Addendum #4.
Question 72	In areas that have drop ceilings are we permitted to shot anchors into the precast for tie wire to support the light fixtures in the ceiling grid?
Response 72	Coordinate connection to precast elements with precast supplier.
Question 73	In addendum 2 it states that the type SA fixture will now be provided and installed by the precast manufacturer. Will there be a raceway for the EC to terminate our conduit to or will the process in detail 1 on drawing E 503 still pertain to mounting of the fixture?
Response 73	See Addendum #4.
Question 74	Will there be an extension to the bid date due to the magnitude of this project?
Response 74	See Addendum #3.
Question 75	In the scope of work for Site Contract it calls for concrete wheel stops, but I don't see any on the plans.
Response 75	Wheel stops are not required.
Question 76	Are there any specifications on the water tank at the rock construction entrance shown on the Erosion Control Plan? And which Contract supplies it?
Response 76	Provide adequate source of water for the wash rack.
Question 77	On the door schedule for the Wire mesh hinge door they ask to refer to hardware set 14 for more details. I took a look at hardware 14 set and it does not specify as per which cylinder is needed. Can you please advise as per the door hardware model number that is needed?

Response 77	Coordinate required cylinder type with door supplier.
Question 78	Please confirm the industry standard of exposed conduits in the utility chase area is acceptable.
Response 78	Exposed conduits are acceptable in utility chases.
Question 79	The single precast modules have 3 ¾" walls for both side walls. Please confirm that one side wall can be 4" to allow for the use our traditional precast cell modules (Detail 1/2; drawing A421).
Response 79	Provided that interior dimensions of cell modules and overall design concept are maintained and coordinated by Precast Manufacturer with all trades.
Question 80	Specification Section 134263 requires the Precast Concrete Detention Cell Modules to be designed by a professional engineer licensed in Pennsylvania using PCI MNL-124 "Design for Fire Resistance of Precast Prestressed Concrete", the industry standard requirement for fire resistance. PCI MNL-124 is also referenced as part of IBC Section 722.2 for precast not covered within the IBC sections. Please confirm that conformance with IBC codes and a design based on PCI MNL-124 for fire resistance provide proper fire rating assurances, and the UL requirements in specification section 134263-1.07.J which will take significant time, unlikely add value, could not be achieved prior to the bid date and would result in limited precast concrete detention module bidders, will not be required.
Response 80	Conformance with IBC codes and PCI MNL-124 are acceptable.
Question 81	Addendum #2 references IBC Section 722.2.2 for Floor construction and secondary members. Table 722.2.2.1 provided slabs thicknesses for the intended fire-resistance ratings. Please confirm the Fire-Resistance Rating is 2 hours or less for the interstitial roof/floor level.
Response 81	See sheet G101, Table for fire resistance rating requirements, Floor construction and secondary members row indicates 2 (hour) for Type I-B

END OF ADDENDUM NO. 4